SONY

CD Radio
Cassette-Corder

Operating Instructions   US

Owner's Record
The model number is located at the bottom and the serial number is located in the battery compartment.
Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.
Model No. _____   Serial No. _____

CFD-G700CP

http://www.sony.net/

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the apparatus.

Connect the apparatus to an easily accessible AC outlet. Should you notice an abnormality in the apparatus, disconnect the main plug from the AC outlet immediately.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.
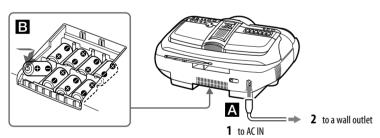
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Power sources

B **A**

2 to a wall outlet
1 to AC IN

Connect the AC power cord **A** or insert eight R20 (size D) batteries (not supplied) into the battery compartment **B**.

Notes
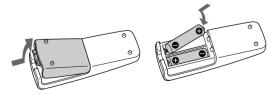• Replace the batteries when the OPR/BATT indicator [17] dims or when the unit stops operating.
  Replace all the batteries with new ones. Before you replace the batteries, be sure to take out the CD from the unit.
• To use the unit on batteries, disconnect the AC power cord from the unit.
• When you operate the unit on batteries, you cannot turn on the unit using the remote.

Preparing the remote
Insert two R6 (size AA) batteries (not supplied).

Replacing batteries
With normal use, the batteries should last for about six months. When the remote no longer operates the unit, replace all the batteries with new ones.

CAUTION
The use of optical instruments with this product will increase eye hazard.

Information

For customers in the USA

Notes on DualDiscs
A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Music discs encoded with copyright protection technologies
This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among these discs, there are some that do not conform to the CD standard and may not be playable by this product.

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

For customers in the USA

Specifications

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 3.2-ohm loads, both channels driven from 1 000 - 10 000 Hz; rated 3 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.
Woofer with 4-ohm loads, driven from 50 - 150 Hz; rated 6 W minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

Other specifications

CD player section
System
  Compact disc digital audio system
Laser diode properties
  Emission duration: Continuous
  Laser output: Less than 44.6 μW
  (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Number of channels
  2
Frequency response
  20 - 20 000 Hz +1/−2 dB
Wow and flutter
  Below measurable limit

Radio section
Frequency range
  FM: 87.5 - 108 MHz
  AM: 530 - 1 710 kHz
Antennas
  FM: Telescopic antenna
  AM: Built-in ferrite bar antenna

Cassette-corder section
Recording system
  4-track 2 channel stereo
Fast winding time
  Approx. 150 s (sec.) with Sony cassette C-60
Frequency response
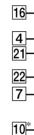 TYPE I (normal): 70 - 13 000 Hz

General
Speaker
  Full range: 10 cm (4 in.) dia., 3.2 Ω, cone type (2)
  Woofer: 13 cm (5 7/8 in.) dia., 4 Ω, cone type (1)
  Tweeter: 2 cm (13/16 in.) dia. (2)
Input
  Built-in audio cable with stereo-mini plug: Minimum input level 245 mV
  AUDIO IN jack (stereo minijack): Minimum input level 245 mV
Outputs
  Headphones jack (stereo minijack)
  For 16 - 68 Ω impedance headphones
Power output
  4 W + 4 W (at 3.2 Ω, 10% harmonic distortion)
  Woofer:
  12 W (at 4 Ω, 10% harmonic distortion)
Power requirements
  For CD radio cassette-corder:
  120 V AC, 60 Hz
  12 V DC, 8 R20 (size D) batteries
  For remote control:
  3 V DC, 2 R6 (size AA) batteries
Power consumption
  AC 28 W

Battery life
  For CD radio cassette-corder:

FM recording
Sony R20P: approx. 6 h
Sony alkaline LR20: approx. 18 h

Tape playback
Sony R20P: approx. 1.5 h
Sony alkaline LR20: approx. 6 h

CD playback
Sony R20P: approx. 1 h
Sony alkaline LR20: approx. 4 h

Dimensions
  Approx. 551 × 247 × 370 mm (w/h/d)
  (21 3/4 × 9 3/4 × 14 5/8 inches) (incl. projecting parts)
Mass
  Approx. 8.4 kg (18 lb. 9 oz) (incl. batteries)
Supplied accessories
  AC power cord (1)
  Remote control (1)

Design and specifications are subject to change without notice.

Optional accessories
Sony MDR headphones series

Basic Operations

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

20 19 18   17 16   15 14 13 12 11 10

18   1

16 WOOFER — TUNE + 6
4   SOUND   — PRESET + 7
21 FUNCTION   5
22   RADIO AUDIO IN 15
7   24
                               8
10
13   14
23 CLEAR   VOLUME ENTER 25
                               6

* VOL + (VOLUME + on the remote) [10], ►II [8] and ► [2] (on the unit) have a tactile dot.

Before using the unit

To turn on/off the power
Press POWER [1].

To adjust the volume
Press VOL +, − (VOLUME +, − on the remote) [10].

To listen through headphones
Connect the headphones to the ∩ (headphones) jack [20].

To select the sound characteristic
Press ROCK, DANCE, SALSA, REGGAETON or FLAT [4] to select the kind of audio emphasis that you want. (On the remote, press SOUND [4] repeatedly.)

To reinforce the bass sound
Press POWER DRIVE WOOFER (WOOFER on the remote) [16] to select ▲WOOFER▲ or ▲▲WOOFER▲▲ on the display. ▲▲WOOFER▲▲ is more effective. When the WOOFER function works, the ring on the front panel lights up.
To return to normal sound, press the button repeatedly until the indication disappears from the display.

Notes
• While the sleeping timer is on, the ring does not light, even if the WOOFER function is used.
• When you use the headphones, the WOOFER function does not work.

Example of folder structure and playing order
The playing order of the folders and files is as follows:

CD-R
CD-RW   Folder
                           ♪ MP3 file

1 ♪ ①
   ♪ ②
2 ♪ ③
3 ♪ ④
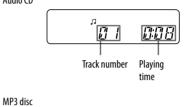   ♪ ⑤
4 ♪ ⑥
   ♪ ⑦
   ♪ ⑧
5 ♪ ⑨
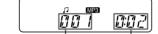6 ♪ ⑩

Playing a CD/MP3 disc

1 Press ⏏ PUSH OPEN/CLOSE [9] on the unit, and place a disc with the label side up on the CD compartment.
   To close the CD compartment, press ⏏ PUSH OPEN/CLOSE [9] on the unit.

2 Press ►II on the unit (► on the remote) [8].
   The unit plays all the tracks/MP3 files once.
   When you place MP3 discs, "MP3" appears in the display after the unit reads the file information.

Audio CD

Track number   Playing time

MP3 disc

MP3 file number   After the song title is displayed, the playing time* will appear.

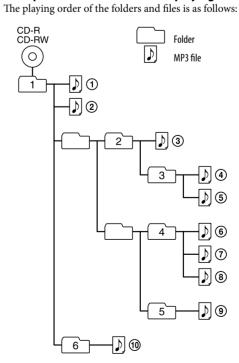* If the playing time is more than 100 minutes, it appears "--:--" in the display.

To	Press
Pause playback	►II on the unit (II on the remote) [8]. To resume play, press it again.
Stop playback	■ [8].
Go to the next track/MP3 file	►►I [7].
Go back to the previous track/MP3 file	I◄◄ [7].
Select a folder on an MP3 disc	☐ + to go forward and ☐ − to go backward [6].
Locate a point while listening to the sound	►►I (forward) or I◄◄ (backward) [7] while playing and hold it until you find the point. (◄◄ or ►► [24] on the remote)
Locate a point while observing the display	►►I (forward) or I◄◄ (backward) [7] in pause and hold it until you find the point. (◄◄ or ►► [24] on the remote)
Remove the CD	⏏ PUSH OPEN/CLOSE [9].

Tips
• Playback starts from the track/MP3 file you last stopped playing (Resume play). During stop, the track/MP3 file number to be played is displayed.
• To cancel the resume play (to start play from the beginning of the first track/MP3 file), press ■ [8] while the CD is stopped. When you open the CD compartment or turn off the unit, the resume play is also canceled.

Note
You cannot locate a specific track if "SHUF" or "PGM" is lit in the display.
Press ■ [8], and then press MODE [14] repeatedly until "SHUF" and "PGM" disappear from the display.

Notes on MP3 discs
• When the disc is inserted, the unit reads all the files on that disc. During this time, "READING" is displayed. If there are many folders or non-MP3 files on the disc, it may take a long time for play to begin or for the next MP3 file to start play.
  We recommend that you do not save unnecessary folders or files other than MP3 ones in the disc to be used for MP3 listening.
• A folder that does not include an MP3 file is skipped.
• Maximum number of files: 255
  Maximum number of folders: 150 (including the root folder)
  Maximum number of folders and files in total: 256
  Maximum directory level: 8
• Folder names and file names can be displayed with up to 30 characters including quotation marks.
• The characters A - Z, 0 - 9, and _ can be displayed on this unit. Other characters are displayed as "_".
• This unit conforms to Version 1.0, 1.1, 2.2, 2.3 and 2.4 of the ID3 tag format. When the file has the ID3 tag information, the unit can display "song title", "artist name" and "album name" can be displayed. If the file does not have the ID3 tag information, "NO TITLE" appears instead of song title, "NO ARTIST" appears instead of artist name and "NO ALBUM" appears instead of album name. The ID3 tag information can be displayed with up to 15 characters.
• When naming, be sure to add the file extension "mp3" to the file name.
• If you put the extension "mp3" to a file other than an MP3 file, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.
• The file name does not correspond to the ID3 tag.

Listening to the radio

1 Press RADIO/BAND•AUTO PRESET [5] on the unit (RADIO/BAND [5] on the remote) repeatedly.
   Each time you press the button, the indication changes as follows:
   "FM" → "AM"

2 Hold down ☐ TUNE + or − [6] until the frequency digits begin to change in the display.
   The unit automatically scans the radio frequencies and stops when it finds a clear station.
   If you cannot tune in a station, press ☐ TUNE + or − [6] repeatedly to change the frequency step by step.
   When an FM stereo broadcast is received, "ST" appears.

Tip
If the FM broadcast is noisy, press MODE [14] until "Mono" appears in the display and the radio will play in monaural.

Recording on a tape
Use buttons on the unit for the operation.

1 Press ■⏏ [2] on the unit to open the tape compartment and insert a blank tape with the side you want to record on facing upward. Use TYPE I (normal) tape only. Close the compartment.

2 Select the program source you want to record.
   To record from the CD player, press ■ [8] on the unit and place a CD.
   To record from the radio, tune in the station you want (see "Listening to the radio").

3 Press ● [2] on the unit to start recording (► is depressed automatically).

To	Press
Pause recording	II [2] on the unit. Press the button again to resume recording.
Stop recording	■⏏ [2] on the unit.

Tips
• Adjusting the volume or the audio emphasis will not affect the recording level.
• For the best results, use the AC power as a power source for recording.
• To erase a recording, proceed as follows:
  1 Insert the tape whose recording you want to erase.
  2 Make sure that "TAPE" is displayed. (If "TAPE" is not displayed, press ► [2] on the unit or press FUNCTION [22] on the remote until it appears in the display.)
  3 Press ● [2] on the unit.

Playing a tape
Use buttons on the unit for the operation.

1 Press ■⏏ [2] on the unit, and insert the tape into the tape compartment with the side you want to play facing upward. Use TYPE I (normal) tape only. Close the compartment.
   Make sure there is no slack in the tape to avoid damaging the tape or the unit.

2 Press ► [2] on the unit.
   The unit starts playing.

To	Press
Pause playback	II [2] on the unit. To resume play, press it again.
Stop playback	■⏏ [2] on the unit.
Fast-forward or rewind*	◄◄ or ►► (rewind or fast forward) [2] on the unit.
Eject the cassette	■⏏ [2] on the unit.

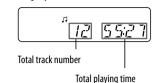* When the tape is wound to the end, press ■⏏ [2] to release ◄◄ or ►► [2].

Using the display

You can check information about the CD using the display.
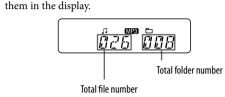
Checking the information of an audio CD

To check the total track number and playing time of the CD

Press ■ 8 while the CD is stopped, and you can check them in the display.

Total track number

Total playing time

Checking the information of an MP3 disc

To check the total folder number and total file number on the CD

Press ■ 8 while the CD is stopped, and you can check them in the display.

Total folder number

Total file number

To check file information

Press DSPL/ENT 19 on the unit while playing an MP3 disc. The display changes as follows:

→ The current file number and playing time
↓
The song title (♫)
↓
The artist name (♟)
↓
The album name (☐)

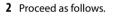## Playing tracks/MP3 files repeatedly
(Repeat Play)

You can play tracks/MP3 files repeatedly in normal, Shuffle or Program play modes.

1 Press ■ 8.

"CD" appears in the display.

2 Proceed as follows.

To repeat	Do this
A single track/MP3 file	1 Press REPEAT 13 until "⇆ 1" appears. 2 Press ◄◄ or ►►I 7 to select the track/MP3 file that you want to repeat. 3 Press ►II 8 on the unit.
All tracks/MP3 files on the CD	1 Press REPEAT 13 until "⇆" appears. 2 Press ►II 8 on the unit.
A selected folder (MP3 disc only)	1 Press MODE 14 until "☐" appears, and then press REPEAT 13 until "⇆" appears. 2 Select the folder by pressing ☐ + or ☐ – 6. 3 Press ►II 8 on the unit.
Tracks/MP3 files in random order	1 Select Shuffle Play (see "Playing tracks/MP3 files in random order"). 2 Press REPEAT 13 until "SHUF" and "⇆" appear. 3 Press ►II 8 on the unit.
Files in a selected folder in random order (MP3 disc only)	1 Start Folder Shufle Play (see "Playing tracks/MP3 files in random order"). 2 Press REPEAT 13 on the unit until "⇆", "SHUF" and "☐" appear. 3 Press ►II 8 on the unit.
Programed tracks/MP3 files	1 Program tracks/MP3 files (see "Creating your own program"). 2 Press REPEAT 13 until "⇆" and "PGM" appear. 3 Press ►II 8 on the unit.

On the remote

Use ► 8 instead of ►II 8.

To cancel Repeat Play

Press REPEAT 13 until "⇆" disappears from the display.

Playing tracks/MP3 files in random order (Shuffle Play)

You can play tracks/MP3 files in random order. When playing an MP3 disc, you can also play MP3 files in a selected folder in random order (Folder Shuffle Play).

1 Press ■ 8.

"CD" appears in the display.

2 Press MODE 14 until "SHUF" appears in the display.

When you select Folder Shuffle Play (MP3 disc only), press MODE 14 on the unit until "☐" and "SHUF" appear in the display. Then press ☐TUNE + or – 6 on the unit to select a folder you want.

3 Press ►II 8 on the unit to start Shuffle Play.

On the remote

Use ► 8 instead of ►II 8.

To cancel Shuffle Play

Stop playing first. Then press MODE 14 until "SHUF" disappears from the display.

Tips
• During Shuffle Play, you cannot select the previous track/MP3 file by pressing ◄◄ 7.
• The resume function does not work during Shuffle Play.
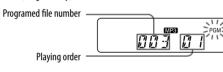
Creating your own program (Program Play)

You can arrange the playing order of up to 15 tracks/MP3 files on a CD.

1 Press ■ 8.

"CD" appears in the display.

2 Press MODE 14 until "PGM" flashes in the display.

3 Press ◄◄ or ►►I 7 then press DSPL/ENT 19 on the unit (ENTER 25 on the remote) for the tracks/MP3 files you want to program in the order you want. For MP3 files, press ☐TUNE + or – 6 first and then press ◄◄ or ►►I 7 and DSPL/ENT 19 (ENTER 25 on the remote).

Audio CD (Program Play)

Programed track number

Playing order

MP3 disc (Program Play)

Programed file number

Playing order

4 Press ►II 8 on the unit to start Program Play.

On the remote

Use ► 8 instead of ►II 8.

To cancel Program Play

Stop playing first. Then press MODE 14 until "PGM" disappears from the display.

To delete the last track or file of the program

Press CLEAR 23 on the remote while the unit is stopped.

To check the order of tracks/MP3 files before play

Press DSPL/ENT 19 on the unit.
Every time you press the button, the track number and the playing order appear.

To change the current program

Press ■ 8 once if the CD is stopped and twice if the CD is playing. The current program will be erased. Then create a new program following the programing procedure.

Tips
• If you try to program 16 tracks/MP3 files or more, "FULL" will appear in the display.
• You can play the same program again, since the program is saved until you open the CD compartment or turn off the power of the unit.
• You can record your own program. After you have created the program, insert a blank tape and press ● 2 on the unit to start recording.
• The resume function does not work during Program Play.

Presetting radio stations

You can store radio stations into the unit's memory. You can preset up to 30 radio stations, 20 for FM and 10 for AM in any order.

1 Press RADIO/BAND•AUTO PRESET 5 on the unit to select the band.

2 Hold down RADIO/BAND•AUTO PRESET 5 on the unit for 2 seconds until "AUTO" flashes in the display.

3 Press DSPL/ENT 19 on the unit.

The stations are stored in memory from the lower frequencies to the higher ones.

If a station cannot be preset automatically

You need to preset a station with a weak signal manually.

1 Press RADIO/BAND•AUTO PRESET 5 on the unit to select the band.

2 Tune in a station you want.

3 Hold down DSPL/ENT 19 on the unit for 2 seconds until the preset number flashes in the display.

4 Press PRESET + or – 7 on the unit until the preset number you want for the station flashes in the display.

5 Press DSPL/ENT 19 on the unit.

The new station replaces the old one.

On the remote

1 Press RADIO/BAND 5 until the band you want appears in the display.

2 Tune in a station you want.

3 Hold down ENTER 25 for 2 seconds until the preset number flashes in the display.

4 Press PRESET + or – 7 until the preset number you want for the station flashes in the display.

5 Press ENTER 25.

Tip
The preset radio stations remain in memory even if you unplug the AC power cord or remove the batteries.

Playing preset radio stations

1 Press RADIO/BAND•AUTO PRESET 5 on the unit to select the band.

2 Press PRESET + or – 7 on the unit to tune in the stored station.

On the remote

1 Press RADIO/BAND 5.

2 Press PRESET + or – 7 to tune in the stored station.

Falling asleep to music

1 Play the music source you want.

2 Press SLEEP 18 to display "SLEEP".

3 Press SLEEP 18 to select the minutes until the unit goes off automatically.

Each time you press the button, the indication changes as follows:

"AUTO*" → "60MIN" → "30MIN" → "20MIN" → "10MIN" → "OFF".

* When you select "AUTO", the CD or tape stops playing in 90 minutes at most and the unit goes off automatically. When you are listening to the radio, the radio goes off in 90 minutes.

If 4 seconds have passed after you pressed SLEEP 18, the minutes in the display are entered.
When the preset time has passed, the unit goes off automatically.

To cancel the sleep function

Press POWER 1 to turn off the power.

Note
When you are playing a tape using this function:
If the tape length of one side is longer than the set time, the unit will not go off until the tape reaches the end.

Connecting optional component

You can enjoy the sound from an optional component such as a portable digital music player through the speakers of this unit.
Be sure to turn off the power of each component before making any connections.
For details, refer to the instruction manual of the component to be connected.

To AUDIO IN jack

Built-in audio cable with stereo-mini plug

audio connecting cable (not supplied)

or

To the line output jack

(e.g.,portable digital music player)

1 Connect the built-in audio cable with stereo-mini plug 12 on the unit to the line output jack of the portable digital music player or other components*.

2 Turn the unit and the connected component on.

3 Press AUDIO IN 14 on the unit and start playing sound on the connected component.

The sound from the connected component is output from the speakers.

* To connect the unit to a TV or VCR, use an extension cable (not supplied) with a stereo-mini jack on one end (for the built-in audio cable) and two phono plugs on the other end.

Recording the sound from the connected component

1 Insert a blank tape.

2 Press AUDIO IN 14 on the unit to display "AUDIO IN".

3 Press ● 2 on the unit.

Recording starts.

4 Play the optional component connected to the unit.

Tip
Should the built-in audio cable 12 become damaged, you can use the AUDIO IN jack 11 to connect an optional component to the unit. Use an audio connecting cable (not supplied) with a stereo-mini plug on one end (for the AUDIO IN jack 11). Make sure the plug on the other end is suited to the jack on the optional component; for example, a stereo-mini plug for a portable digital music player, or two phono plugs for a TV or VCR.

Notes
• Do not pull forcibly on the built-in audio cable 12. Doing so may cause the plug to rip off.
• Connect the built-in audio cable 12 or audio connecting cable (not supplied) securely to prevent any malfunction.
• It is not possible to listen to two components connected at the same time through the built-in audio cable 12 and the AUDIO IN jack 11 (using an optional audio connecting cable). Connect one component at a time.

D-LIGHT SYNC OUT jack

Use the D-LIGHT SYNC controller to connect to this D-LIGHT SYNC OUT jack 3. You need to connect the D-LIGHT SYNC controller to the lighting device* (not supplied). The lighting device will react according to control signals transmitted by the D-LIGHT SYNC controller upon receiving music source from the system. For details on the use of D-LIGHT SYNC controller and lighting device, refer to the respective operating instructions supplied with the respective device.

D-LIGHT SYNC controller cord of D-LIGHT SYNC controller (DSL-1)

* Refer to the D-LIGHT SYNC controller operating instruction for the recommended lighting device.

Note
The lighting effect may be different depending on the connected lighting device or the type of music being played back.

Discs that this unit CAN play

• Audio CD
• CD-R/CD-RW (CD-DA*/MP3 files)

* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

Discs that this unit CANNOT play

• CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2 or Joliet
• CD-R/CD-RW of poor recording quality, CD-R/CD-RW that has scratches or are dirty, or CD-R/CD-RW recorded with an incompatible recording device
• CD-R/CD-RW which is finalized incorrectly

Notes on discs

• Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out. If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error.

• Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
• Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
• Do not stick paper or sticker on the CD, nor scratch the surface of the CD.
• After playing, store the CD in its case.

On safety

• As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
• Should any solid object or liquid fall into the unit, unplug the unit, and have it checked by qualified personnel before operating it any further.
• Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.

On power sources

• For AC operation, use the supplied AC power cord; do not use any other type.
• The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
• Unplug the unit from the wall outlet when it is not used for an extended period of time.
• When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
• The nameplate indicating operating voltage, power consumption, etc. is located at the bottom.

On placement

• Do not leave the unit in a location near heat sources, in a place subject to direct sunlight, excessive dust or mechanical shock or in a car subject to the direct rays of the sun.
• Do not place the unit on an inclined or unstable place.
• Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the unit to operate properly and prolong the life of its components.
• Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.
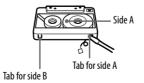
On operation

• If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player section. Should this occur, the unit will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.
• If the unit has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Notes on cassettes

• Break off the cassette tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.

Side A

Tab for side B

Tab for side A

• The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

Cleaning the cabinet

• Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

General

The power is not on.

• Connect the AC power cord to the wall outlet securely.
• Make sure the batteries are inserted correctly.
• Replace all the batteries with new ones if they are weak.
• You cannot turn on the unit with the remote when you operate the unit on batteries.
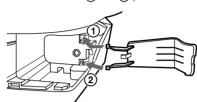
There is no audio.

• Make sure the function you want to use appears in the display window.
• Unplug the headphones when listening through speakers.

Noise is heard.

• Someone is using a portable telephone or other equipment that emits radio waves near the unit.
→ Move the portable telephone, etc., away from the unit.

The AUDIO IN lid has been detached.

→ Reattach the lid as shown in the illustration below. (Reattach in order of ① and ②.)

CD/MP3 player

The CD does not play or "NO DISC" is displayed even when a CD is in place.

• Place the CD with the label surface up.
• Clean the CD.
• Take out the CD and leave the CD compartment open for about an hour to dry moisture condensation.
• The CD-R/CD-RW is blank.
• There is a problem with the quality of the CD-R/CD-RW, recording device or application software.
• Replace all the batteries with new ones if they are weak.
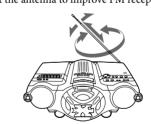
The sound drops out.

• Reduce the volume.
• Clean the CD, or replace it if the CD is badly damaged.
• Place the unit in a location free from vibration.
• Clean the lens with a commercially available blower.
• The sound may drop out or noise may be heard when using poor quality CD-R/CD-RW or if there is a problem with the recording device or application software.

Starting playback takes more time than usual.

• The following discs take a longer time to start playback.
 – a disc recorded with a complicated file structure.
 – a disc that has not been finalized (a disc to which data can be added).
 – a disc that has many folders or non-MP3 files.

Radio

Reception is poor.

• Reorient the antenna to improve FM reception.

• Reorient the unit itself to improve AM reception.

The audio is weak or has poor quality.

• Replace all the batteries with new ones if they are weak.
• Move the unit away from the TV.
• If you are using the remote while listening to AM radio, noise may be heard.

The picture of your TV becomes unstable.

• If you are listening to an FM program near the TV with an indoor antenna, move the unit away from the TV.

Tape player

The tape does not move when you press an operation button.

• Close the cassette compartment securely.

The ● button 2 does not function or the tape does not play or record.

• Make sure the safety tab on the cassette is in place.

Poor or distorted playback, recording or erasing quality.

• Clean the heads by using dry- or wet-type cleaning cassette (available separately) after every 10 hours of use, before you start an important recording, or after playing an old tape. Failure to clean the tape heads can cause degraded sound quality or an inability of the unit to record or play tapes. For details, refer to the instructions of the cleaning cassette.
• The TYPE II (high position) or TYPE IV (metal) tape is being used. Use TYPE I (normal) tape only.
• Demagnetize the heads using a commercially available tape head demagnetizer.
• Replace all the batteries with new ones if they are weak.

Remote

The remote does not function.

• Replace all the batteries in the remote with new ones if they are weak.
• Make sure that you are pointing the remote at the remote sensor on the unit.
• Remove any obstacles in the path of the remote and the unit.
• Make sure the remote sensor is not exposed to strong light such as direct sunlight or fluorescent lamp light.
• Move closer to the unit when using the remote.

After trying the remedies, if you still have problems, unplug the AC power cord or remove all the batteries. After all the indications in the display disappear, plug the AC power cord or insert the batteries again. If the problem persists, please consult your nearest Sony dealer.